Professor C. F. Cori Washington University School of Medicine St. Louis, Missouri

Dear Dr. Cori:

I've wanted to write for some time to thank you for spending more time on the DPM Pyrophosphatase manuscript. It was accepted and will appear in the Ecvember issue.

During the past two months I have been working with a system which has me rather excited. Starting with a lebedovenft from ale years, it was possible to purify an ensyme which mediates the reaction: Nicotinamide Mononucleotide + ATP == DPN + Inorganic pyrophosphate. The reaction is readily reversible with the equilibrium slightly to the left. In the purified system, ADP and nicotinamide nucleoside are inactive. Inorganic pyro was estimated as a manganese salt. We orthophosphate appears and there is no change in acid-labile phosphate.

It would seem from these results that inorganis pyre is a more "physiologic" substance than we thought, and I am anglous to have your advice for future work. I wonder whether to return immediately to kidney granules or whether to try to assertain the presence of an analogous coupling of flavin nucleotides with phosphorylation in yeast.

Severo Ochoa was here two weeks ago and advised me to send off a note about this work and now I'm inclined to agree. I would like to further purify the ensyme which is comething of an engineering problem and to obtain a better equilibrium constant which may be complicated by complex formation of Mg with pyrophosphate. Would you mind reading the note when it is ready? I will appreciate it immensely.

Our fend regards to you and Mrs. Cori, and please tell her ve're expecting a baby girl mext month.

Mincerely,

P.S. Maranovaki dropped in this morning and it was so pleasant to hear that Hrs. Gori was back and looked so well. He told about the happy year he had in St. Louis and it made me feel lonegome for it.

(Orthur Konsking)